

What is claimed is:

1. A drier module for use in a drier having a drier motor and one of two heat  
2 generation means, the module comprising:

3 a selection switch for selecting one of a gas mode and an electric mode;

4 a first connector providing a connection to the drier motor and to a first heat  
5 generation means;

6 a second connector providing a connection to the first heat generation means and to a  
7 second heat generation means; and

8 a microprocessor, electrically connected to said first and second connectors, for  
9 detecting a presence of an error condition with respect to the selected mode of said selection  
10 switch, based on the connections of said first and second connectors.

1. 2. The module as claimed in claim 1, further comprising:

2 a first relay, electrically connected between said microprocessor and first connector,  
3 for controlling power to the drier motor; and

4 a second relay, electrically connected between said microprocessor and first  
5 connector, for controlling power to the one of the two heat generation means.

1. 3. The module as claimed in claim 1, wherein the first heat generation means  
2 includes a gas control circuit.

1. 4. The module as claimed in claim 1, wherein the second heat generation means  
2 is an electric heater.

1       5.     The module as claimed in claim 1, further comprising a power supply for  
2 providing, under control of said microcomputer, operational power for the drier motor and  
3 first and second heat generation means.

1       6.     The module as claimed in claim 1, further comprising a display for  
2 displaying a message indicating the presence of the error condition.

1       7.     The module as claimed in claim 1, wherein the presence of the error  
2 condition is detected during an assembly stage of the drier.

1       8.     The module as claimed in claim 1, wherein the presence of the error  
2 condition is detected during a usage of the drier.

1       9.     The module as claimed in claim 8, wherein said microcomputer is disabled  
2 when the presence of the error condition is detected.

1       10.    The module as claimed in claim 1, wherein said selection switch includes  
2 manual setting means for modifying the module according to an assembly state of the drier.

1       11.    The module as claimed in claim 10, wherein the manual setting means is set  
2 for the electric mode.

1       12.    The module as claimed in claim 10, wherein the manual setting means is set

2 for the gas mode.

1 13. The module as claimed in claim 12, wherein said microcomputer receives via  
2 said second connector a flame detection signal from the second heat generation means.

1 14. The module as claimed in claim 1, wherein one of the two heat generation  
2 means uses an energy source of gas and the other uses an energy source of electricity.

1 15. The module as claimed in claim 1, wherein the drier is a laundry drier.